

**Product Texts**

LNP THERMOCOMP UX06032 compound is based on Polyphthalamide (PPA) resin containing 30% glass fiber. Added features of this grade include: Non-Brominated & Non-Chlorinated Flame Retardant, Heat Stabilized.

UL Yellow Card Link [E207780-103093686](https://www.ulprospector.com/PPA/Products/103093686)

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	11400	MPa	ISO 527
Stress at break	130	MPa	ISO 527
Strain at break	2.1	%	ISO 527
Flexural modulus	9900	MPa	ISO 178
Izod impact strength, +23°C, 4mm	40	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	5	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	258	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	275	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	21	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	54	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.4	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (GWIT)	850	°C	IEC 60695-2-13
GWIT - thickness tested (3)	3	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Comparative tracking index	600	-	IEC 60112

Other properties	Value	Unit	Test Standard
Density	1460	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 140	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	305 - 315	°C	-
Mold temperature	130 - 150	°C	-
Zone 1	280 - 300	°C	-
Zone 2	290 - 310	°C	-
Zone 3	295 - 315	°C	-
Screw speed	40 - 80	rpm	-
Back pressure	0.2 - 0.3	MPa	-

**Characteristics****Processing**

Injection Molding

**Additives**

Flame retarding agent

**Special Characteristics**

Flame retardant

**Applications**

Automotive

**Regional Availability**

North America, Europe, Asia Pacific